

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 04/16/2021 09:54 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124021	-1	2.00	123887	1.97
Blue	F	SSC	125000	124117	-1	3.88	124374	3.77
Blue	E	FITC	14400	13844	-4	2.71	318	15.16
Blue	D	PE	24713	24685	-1	2.17	565	10.78
Blue	B	PerCP-Cy5-5	31796	31366	-2	3.42	1040	14.52
Blue	A	PE-Cy7	21240	20962	-2	5.52	562	28.76
Red	C	APC	41319	40940	-1	3.31	1711	11.37
Red	A	APC-Cy7	21019	20516	-3	3.55	772	11.10
Violet	B	V450	7305	7042	-4	3.96	434	12.62
Violet	A	V500	28652	27458	-5	3.51	688	9.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23269	1.97	561	-8	N/A	N/A	Pass
Blue	F	SSC	57829	2.23	517	5	N/A	N/A	Pass
Blue	E	FITC	58	54.24	489	-2	0.0459	97	Pass
Blue	D	PE	118	35.30	488	1	0.3760	230	Pass
Blue	B	PerCP-Cy5-5	195	34.38	583	-1	0.0197	18	Pass
Blue	A	PE-Cy7	113	66.72	629	-1	0.0226	0	Pass
Red	C	APC	396	23.43	574	1	0.0285	149	Pass
Red	A	APC-Cy7	172	26.96	544	-1	0.0074	1580	Pass
Violet	B	V450	60	62.82	455	-1	0.0580	2156	Pass
Violet	A	V500	99	35.15	468	-2	0.0266	1032	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.60	-31.40	1.03
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.36	15.99 - 23.99	N/A	N/A	29.77	30.00	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9605

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments